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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: IN VIVO ANGIOGENESIS ASSAY

(57) Abstract: A method for evaluating *in vivo* a test substance for angiogenesis modulation activity, including the steps of providing a rodent pup having a pupillary membrane system in a first eye, injecting transcorneally proximate to the pupillary membrane a test substance; and examining the pupillary membrane to determine whether new vascular tissue has grown. The method can also evaluate the ability of a test substance to regress existing vascular tissue, or to inhibit or prevent new vascular tissue, by injecting transcorneally a first substance that induces new vascular tissue growth, then injecting a test substance, and examining the pupillary membrane to determine whether new vascular tissue has grown. The assay can also be used to evaluate the effect of a small molecule on a property of a capillary vessel, and to evaluate a test substance on a problematic vascular condition.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20208

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/00; A61K 49/00

US CL : 435/4; 424/9.1, 9.2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/4; 424/9.1, 9.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,255,353 B1 (WATERBURY et al) 3 July 2001 (03.07.2001), entire document, especially examples 3, 4.	1 - 10
A, P	US 6,479,729 B1 (CAMPOCHIARO et al) 12 November 2002 (12.11.2002), entire document.	1 - 10

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☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

PCT/US03/2

Continuation of B. FIELDS SEARCHED Item 3:

STN-CAS, WEST, PubMed

search terms: angiogenesis, vascular tissue, pupillary membrane, congenital blindness, eye, test substance, compound, assay